L Number	Hits	Search Text	DB	Time stamp
1	832	((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox)	USPAT; US-PGPUB	2004/10/16 18:33
		same (equilibrate equilibrium equilibrating))		
2	891	((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) same (equilibrate equilibrium equilibrating))	USPAT; US-PGPUB	2004/10/16 18:42
3	839		USPAT; US-PGPUB	2004/10/16 19:37
4	793		USPAT; US-PGPUB	2004/10/16 18:38
5	443	· ·	USPAT; US-PGPUB	2004/10/16 19:37
6	378	(((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) with (equilibrate equilibrium equilibrating))) not (@ad>20020301 or @rlad>20020301)	USPAT; US-PGPUB	2004/10/16
8	56		USPAT; US-PGPUB	2004/10/16 19:03
9	58	<pre>(((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) same (equilibrate equilibrium equilibrating))) and (metal and (organic with (vapor gas)))</pre>	USPAT; US-PGPUB	2004/10/16 18:43
10	52		USPAT; US-PGPUB	2004/10/16 18:43
	3	<pre>((((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) with (equilibrate equilibrium equilibrating)) same (Control controlling controlled))) and ((((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) same (equilibrate equilibrium equilibrating))) and (metal and (organic with (vapor gas)))) not (@ad>20030109 or @rlad>20030109))</pre>	USPAT; US-PGPUB	2004/10/16 18:43
12	49	<pre>(((((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) same (equilibrate equilibrium equilibrating))) and (metal and (organic with (vapor gas)))) not (@ad>20030109 or @rlad>20030109)) not (((oxidation oxidizing oxidize) with ((reducing reduction reduction) or redox) with (equilibrate equilibrium equilibrating)) same (Control controlling controlled)))</pre>	USPAT; US-PGPUB	2004/10/16 19:25
13	2	10/338647	USPAT; US-PGPUB	2004/10/16 19:31
14	2192	(438/3,5,7,635).CCLS.	USPAT; US-PGPUB	2004/10/16
13	2063	(118/665,667,712,58).CCLS.	USPAT; US-PGPUB	2004/10/16

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	_			
16	4243	((438/3,5,7,635).CCLS.) or	USPAT;	2004/10/16
		((118/665,667,712,58).CCLS.)	US-PGPUB	19:37
17	3976	(((438/3,5,7,635).CCLS.) or	USPAT;	2004/10/16
- '	3576		-	
		((118/665,667,712,58).CCLS.)) not	US-PGPUB	19:37
	_	(@ad>20030109 or @rlad>20030109)		
18	6	((((438/3,5,7,635).CCLS.) or	USPAT;	2004/10/16
		((118/665,667,712,58).CCLS.)) not	US-PGPUB	19:39
		(@ad>20030109 or @rlad>20030109)) and		
		((oxidation oxidizing oxidize) same		
		((reducing reduction reduction) or redox)		
			•	
		same (equilibrate equilibrium	,	
		equilibrating))		f
19	165	((((438/3,5,7,635).CCLS.) or	USPAT;	2004/10/16
		((118/665,667,712,58).CCLS.)) not	US-PGPUB	19:39
		(@ad>20030109 or @rlad>20030109)) and		
		((oxidation oxidizing oxidize) same		1
		((reducing reduction reduction) or		
		redox))		1
	14763	1		0000 (10 (07
-	14/63	ferroelectric	USPAT;	2003/10/27
			US-PGPUB	07:54
-	5	(YAMAWAKI-HIDEKI).in.	USPAT;	2003/10/27
	1		US-PGPUB	07:56
-	8777	ferroelectric and (oxidation oxidizing	USPAT;	2003/10/27
1		oxide oxidated)	US-PGPUB	08:06
l _	1347		E .	r
1	134/		USPAT;	2003/10/27
	1	oxide oxidated)) and ((crystal	US-PGPUB	08:07
	ļ	crystalline) near2 orientation)		
j -	4034	ferroelectric and ((oxidation oxidizing	USPAT;	2003/10/27
		oxide oxidated) with (metal ruthenium	US-PGPUB	08:13
	,	iridium ru ir))		
_	419		USPAT;	2003/10/27
	1	oxide oxidated) with (metal ruthenium		
ļ			US-PGPUB	08:08
		iridium ru ir))) and ((crystal		
		crystalline) near2 orientation)		
-	1267	ferroelectric and ((oxidation oxidizing	USPAT;	2003/10/27
		oxide oxidated) same (reducing	US-PGPUB	08:08
		reduction))		
-	182	(ferroelectric and ((oxidation oxidizing	USPAT;	2003/10/27
		oxide oxidated) same (reducing	US-PGPUB	10:26
		reduction))) and ((crystal crystalline)	05-FGF0B	10.26
ļ	0506	near2 orientation)		
-	3586	((438/3) or (438/250-256)).CCLS.	USPAT;	2003/10/27
			US-PGPUB	08:11
– .	5160	((438/393-399) or (257/295-296)).CCLS.	USPAT;	2003/10/27
ļ]	, , , , , , , , , , , , , , , , , , ,	US-PGPUB	08:11
_	2599	((257/298) or (257/303-311)).CCLS.	USPAT;	2003/10/27
		((==:,===) 01 (10,,000 011,,0010;		I ' '
_	8198	(///38/3) on //38/350 350) data)	US-PGPUB	08:12
	0130	(((438/3) or (438/250-256)).CCLS.) or	USPAT;	2003/10/27
		(((438/393-399) or (257/295-296)).CCLs.)	US-PGPUB	08:13
		or (((257/298) or (257/303-311)).CCLS.)		
-	1824	((438/3) or (257/295)).CCLS.	USPAT;	2003/10/27
			US-PGPUB	14:46
-	6	ferroelectric and (((oxidation oxidizing	USPAT;	2003/10/27
		oxide oxidated) with (metal ruthenium	US-PGPUB	08:14
			U3-PGPUB	08:14
		iridium ru ir)) same (reduction reducing)	1	
		same ((crystal crystalline) near		
		(orientation oriented orient)))		1
-	184	(ferroelectric and ((oxidation oxidizing)	USPAT;	2003/10/27
		near2 (reduction reducing)) and (crystal	US-PGPUB	14:26
		crystalline))		=
-	18	(ferroelectric and ((oxidation oxidizing)	USPAT;	2003/10/27
İ		near2 (reduction reducing)) and ((crystal		1 ' '
	i	crustalline) ness2	US-PGPUB	10:21
	100	<pre>crystalline) near2 orientation))</pre>		
-	182	(ferroelectric and ((oxidation oxidizing	USPAT;	2003/10/27
		oxide oxidated) same (reducing	US-PGPUB	14:26
	l	reduction))) and ((crystal crystalline)		1
		near2 orientation)		
				i .

-	348	((ferroelectric and ((oxidation	USPAT;	2003/10/27
		oxidizing) near2 (reduction reducing))	US-PGPUB	10:26
		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)		
		near2 orientation))	1	
-	166	, , , , , , , , , , , , , , , , , , ,	USPAT;	2003/10/27
		oxidizing) near2 (reduction reducing))	US-PGPUB	13:12
1		and (crystal crystalline))) not		
		((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		
		and ((crystal crystalline) near2		1
		orientation)))		
-	164	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/10/27
	'	oxide oxidated) same (reducing	US-PGPUB	13:33
		reduction))) and ((crystal crystalline)		
		near2 orientation)) not ((ferroelectric		
		and ((oxidation oxidizing) near2		
		(reduction reducing)) and (crystal		
		crystalline)))		
-	14763	ferroelectric	USPAT;	2003/10/27
	_		US-PGPUB	13:33
-	5	ferroelectric and (((oxidation	USPAT;	2003/10/27
		oxidizing) with (reduction reducing)) or	US-PGPUB	14:26
	1	redox) same (equilibrium equilibrate		
		equilibrating equilabrated))		
-	370	' 'I - ' - ' - ' - ' E	USPAT;	2003/10/27
		((oxidation oxidizing oxide oxidated)	US-PGPUB	14:25
		same (reducing reduction))) and ((crystal		1
		crystalline) near2 orientation)		
-	549	, , , , , , , , , , , , , , , , , , ,	USPAT;	2003/10/27
1		((oxidation oxidizing) near2 (reduction	US-PGPUB	14:26
	405	reducing)) and (crystal crystalline))		
-	485	(((piezoelectric perovskite) and	USPAT;	2003/10/27
		((oxidation oxidizing) near2 (reduction	US-PGPUB	14:27
		reducing)) and (crystal crystalline)))		1
		not (((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing)) and (crystal crystalline))) or		
				1
		((ferroelectric and ((oxidation oxidizing oxide oxidated) same (reducing		1
		reduction))) and ((crystal crystalline)		
		near2 orientation)))		
_	267	(((piezoelectric perovskite) and	HCDAM.	2002/10/27
	207	((oxidation oxidizing oxide oxidated)	USPAT; US-PGPUB	2003/10/27
		same (reducing reduction))) and ((crystal	03-16100	14:43
		crystalline) near2 orientation)) not		
		(((ferroelectric and ((oxidation		1
		oxidizing) near2 (reduction reducing))		1
		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)		
	1	near2 orientation)))		

	· · · · · · · · · · · · · · · · · · ·			
-	468	((((piezoelectric perovskite) and	USPAT;	2003/10/27
		((oxidation oxidizing) near2 (reduction reducing)) and (crystal crystalline)))	US-PGPUB	14:55
		not (((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		
		and (crystal crystalline))) or	•	
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)]
		near2 orientation)))) not		
		((((piezoelectric perovskite) and		
		((oxidation oxidizing oxide oxidated)		
		same (reducing reduction))) and ((crystal		
		crystalline) near2 orientation)) not		
		<pre>(((ferroelectric and ((oxidation oxidizing) near2 (reduction reducing))</pre>		
		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		1
		oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)		
1		near2 orientation))))		
-	137	, , , ,	USPAT;	2003/10/27
	1	((oxidation oxidizing) near2 (reduction	US-PGPUB	14:45
		reducing)) and (crystal crystalline)))		'
		not (((ferroelectric and ((oxidation		
İ	1	oxidizing) near2 (reduction reducing))		
		and (crystal crystalline))) or		
		<pre>((ferroelectric and ((oxidation oxidizing oxide oxidated) same (reducing</pre>		
		reduction))) and ((crystal crystalline)		
		near2 orientation)))) not		
		((((piezoelectric perovskite) and		
		((oxidation oxidizing oxide oxidated)		
		<pre>same (reducing reduction))) and ((crystal</pre>		
		crystalline) near2 orientation)) not		
		(((ferroelectric and ((oxidation		
		<pre>oxidizing) near2 (reduction reducing))</pre>		
		and (crystal crystalline))) or		
		<pre>((ferroelectric and ((oxidation oxidizing oxide oxidated) same (reducing</pre>		
	,	reduction))) and ((crystal crystalline)		
		near2 orientation))))) and (equilibrium)		
l –	1824	((438/3) or (257/295)).CCLS.	USPAT;	2003/10/27
		((100,0) 02 (201,230)).0025.	US-PGPUB	14:47
_	27	(((((piezoelectric perovskite) and	USPAT;	2003/10/27
		((oxidation oxidizing) near2 (reduction	US-PGPUB	14:57
		reducing)) and (crystal crystalline)))		
		not (((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		
		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)		
		near2 orientation)))) not		
		((((piezoelectric perovskite) and		
		((oxidation oxidizing oxide oxidated)		
		<pre>same (reducing reduction))) and ((crystal</pre>		
		crystalline) near2 orientation)) not		
		(((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		
]	and (crystal crystalline))) or		
İ		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing reduction))) and ((crystal crystalline)		
ļ]	near2 orientation))))) and (438/\$.ccls.		
		or 257?\$.ccls.)		
-	1	(((438/3) or (257/295)).CCLS.) and	USPAT;	2003/10/27
	· [((((oxidation oxidizing oxidize) with	US-PGPUB	14:56
İ		<pre>(reducing reduction reduction)) or redox)</pre>		
·		same (equilibrate equilibrium		
		equilibrating))		

	T			·, ·
-	23	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2003/10/27
		((oxidation oxidizing) near2 (reduction	US-PGPUB	15:00
		reducing)) and (crystal crystalline)))		
		not (((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		
1		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
	1	reduction))) and ((crystal crystalline)		
		near2 orientation)))) not		
İ		((((piezoelectric perovskite) and		
		((oxidation oxidizing oxide oxidated)		
		same (reducing reduction))) and ((crystal		1
		crystalline) near2 orientation)) not		
		(((ferroelectric and ((oxidation		
1		oxidizing) near2 (reduction reducing))		
		and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing]
	1	reduction))) and ((crystal crystalline)		
		near2 orientation))))) and (438/\$.ccls.		[
1	•	or 257?\$.ccls.)) not (((((piezoelectric		
		perovskite) and ((oxidation oxidizing)		
] .
	1	near2 (reduction reducing)) and (crystal		.j
		crystalline))) not (((ferroelectric and]
		((oxidation oxidizing) near2 (reduction		
		reducing)) and (crystal crystalline))) or]
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
*		reduction))) and ((crystal crystalline)		1
		near2 orientation)))) not		
		((((piezoelectric perovskite) and		
		((oxidation oxidizing oxide oxidated)		
		<pre>same (reducing reduction))) and ((crystal</pre>]
		crystalline) near2 orientation)) not		1
		(((ferroelectric and ((oxidation		
		oxidizing) near2 (reduction reducing))		·
		and (crystal crystalline))) or		[
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		
		reduction))) and ((crystal crystalline)		
		<pre>near2 orientation))))) and (equilibrium))</pre>		i
-	322	(((438/3) or (257/295)).CCLS.) and	USPAT;	2003/10/27
		(((oxidizing oxidation oxide oxidize)	US-PGPUB	15:02
		with (reducing reduction reduce)) or		
		(redox))		
-	280	((((438/3) or (257/295)).CCLS.) and	USPAT;	2003/10/27
		(((oxidizing oxidation oxide oxidize)	US-PGPUB	15:02
		with (reducing reduction reduce)) or		
		(redox))) not (((ferroelectric and		
		((oxidation oxidizing) near2 (reduction		
		reducing)) and (crystal crystalline))) or		
		((ferroelectric and ((oxidation oxidizing		
		oxide oxidated) same (reducing		·
		reduction))) and ((crystal crystalline)		
		near2 orientation)))		
_	26	(US-6235402-\$ or US-6146906-\$ or	יייעם אודי	2003/10/27
	20	US-5828080-\$ or US-5810923-\$ or	USPAT;	2003/10/27
		US-6589839-\$ or US-6574130-\$ or	US-PGPUB	17:14
		US-6518156-\$ or US-6436317-\$ or		
		US-6309894-\$ or US-6177361-\$ or		
		US-6144546-\$ or US-5420102-\$ or US-4361951-\$ or US-6596547-\$ or		
		US_6500678_6 on US_60595347~\$ Or		
		US-6500678-\$ or US-6495412-\$ or		
	j	US-6334244-\$ or US-4812300-\$ or		
		US-6524867-\$ or US-6319542-\$ or		
]		US-6204069-\$).did. or (US-20030113986-\$		
		or US-20030068579-\$ or US-20020179886-\$		
		or US-20020083959-\$ or		
Ll		US-20010015001-\$).did.		

- 26	((US-6235402-\$ or US-6146906-\$ or	USPAT;	2003/10/27
	US-5828080-\$ or US-5810923-\$ or	US-PGPUB	17:22
	US-6589839-\$ or US-6574130-\$ or		
	US-6518156-\$ or US-6436317-\$ or		
	US-6309894-\$ or US-6177361-\$ or		
	US-6144546-\$ or US-5420102-\$ or		
	US-4361951-\$ or US-6596547-\$ or		1
	US-6500678-\$ or US-6495412-\$ or		1
	US-6334244-\$ or US-4812300-\$ or		
	US-6524867-\$ or US-6319542-\$ or		
	US-6204069-\$).did. or (US-20030113986-\$		i
	or US-20030068579-\$ or US-20020179886-\$		
	or US-20020083959-\$ or		
	US-20010015001-\$).did.) and (oxidation		1.
	oxidizing oxide oxidized reducing		,
	reduction redox equilibrium equilibrate		
	equilibrated ferroelectric piezoelectric		
	perovskite)		